ONTARIO DEPARTMENT OF AGRICULTURE

TORONTO, MARCH 25TH, 1895.

SPRAYING CALENDAR.

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SOLUTIONS RECOMMENDED.

1. Copper Sulphate Solution.

To be used only before the buds burst, and never to be applied on the foliage. When applied to peach trees use 25 gallons of water instead of 20 gallons.

2. Bordeaux Mixture.

 Copper sulphate
 5 pounds.

 Lime (fresh)
 4 pounds.

 Water
 40 gallons.

Suspend the copper sulphate in five gallons of water. This may be done by putting it in a bag of coarse material and hanging it so as to be covered by the water. Slake the lime in about the same quantity of water. Then mix the two and add the remainder of the 40 gallons of water. Warm water will dissolve the copper sulphate more readily than cold water. If the lime is at all dirty strain the lime solution. Use wooden vessels.

3. Ammoniacal Copper Carbonate Solution.

The copper carbonate may be dissolved and kept on hand to dilute when necessary.

rdesux 10-15 dayı ater.	rdeaux 10-15 days ater.	amoniscal copper arbonate 10-20 lays later.	, , , , , , , , , , , , , , , , , , ,	epeat fourth 5-10 days later.
9-13 days after Bor-Bor deaux and Paris h	9-12 days after Bor-Bo deaux and Paris h green.	Bordeaux 10-20 days An	Ammoniacal copper carbonate 10-15 days later.	Ammoniacal carbon-Repeat fourth 5-10 ate when fruit is days later. nearly grown.
Bordesux and Paris green, when blosoms have fallen.	Bordeaux and Paris green, after blossoms have fallen.	9-12 days after Bordeaux and Paris green.	Bordeaux, 10-15 days after, if rot appears.	Bordeaux, when fruit has set.
Sordeaux, just before blossoms open; Paris green for bud moth, when buds open.	Bordeaux just before blossoms open.	Bordeaux and Paris green as soon as blossoms fall.	Bordeaux, when fruit has set; for slugs dust leaves with air-slaked lime. Helleborealso good against slug.	
ी क <u>ैं</u>		Copper sulphate before buds open.	Bordeaux as the buds are breaking. If aphis appears kero- sene emulsion.	Copper sulphate be- Bordeaux before fore buds swell.
Apple Scab, codling moth, bud moth.	Pear Leaf blight, scab, codling moth.	and	. Bul	5. Peack
	Copper sulphate Bordeaux, just before Bordeaux and Paris 3-1 about the time buds blossoms open; green, when blosses swelling. Research are swelling. Paris green for bud soms have fallen. moth, when buds open.	g e		

6. Grape Mildews, etc., flea when beetle.

Mildews, etc., flea weel beetle.

Paris green for flea diameter; Paris Paris Paris resen for

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Bordeaux 10-15 days Bordeaux, 10-15 days later if disease still annears *				,			
Bordeaux 10-15 days later,	The only remedy, as yet, for orange rust is to cut out	diseased plants.	If further treatment required formildew repeat third 10-15	days later.	Bordeaux if trouble continues.	Repeat if necessary in 10-15 days.	Prethrum may be applied in solution or dusted on, I part pyrethrum to 6.8 carts flower
Bordeaux, when flowers have fallen Paris green for		Hellebore if neces- sary for worms,	Ammoniacal copper carbonate 10-15 days later.	Bordeaux if necessary.		Bordeaux 10-15 days Repeat if necessary later.	dusted on, 1 part pyr
Bordeaux, when leaves 13 inches in diameter; Paris green for beatle.	Bordeaux if rust Appears during summer.	Hellebore 10 days later for worms; Bordeaux for mildew.	Bordeaux 10-15 days, later. Worms as before,	Sordeaux, if trouble continues.	Ammoniacal copper l carbonate when first fruits are ripening.	when out six th.	pplied in solution or
Copper sulphate, when buds swell. Paris green for fiea beetle.	Copper sulphate be- Bordeaux if rust fore buds break. Appears during summer.	Parie green or helle- bore for worms.	Bordeaux as soon as leaves expand for mildew, hellebore for worms.	Bordeaux, as scon as Bordeaux, if trouble Bordeaux if appears.	Bordeaux when first Ammoniacal copper Bordeaux, when fruits are setting, carbonate when fruit is taken of fruits fruits are ripening.	Paris green as soon as beetles appear.	yrethrum may be a
6. Grapt	7. Raspberry Anthracnose, rust.	Worms and mildew. bore for worms. Bater for worms; Bater for more for more for more forms.	9. Gooseberry. Mildew and worms. leaves expand for later. Worms as carbonate 10-15 required formildew for worms.	10. Tomato. Bot, blight.			13. Cabbage P

Ammoniacal carbon- Repeat fourth 5-10 ate when fruit is days later. nearly grown.

Bordeaux, when fruit has set.

5. Peach Gopper sulphate be Bordeaux before Rot, mildew. fore buds swell. flowers open.

"If further applications are necessary use ammoniacal copper carbonate.

4. Paris Green Mixture.

Use about 200 gallons of water for apple trees, 250 for plum trees and 300 for peach trees. When used upon peach trees add 1 pound of lime to the mixture. When Paris green is added to the Bordeaux mixture to form a combined insecticide and fungicide add 4 ounces to every 50 gallons of the Bordeaux mixture.

5. Hellebore.

6. Kerosene Emulsion.

After dissolving the scap in the water add the coal oil and stir well for 5 to 10 minutes. A syringe or pump will assist much in this work. Dilute with from 9 to 15 parts of water.

7. Pyrethrum.

NOTES.

1. When there is danger of disfiguring fruit with the Bordeaux mixture use the ammoniacal copper carbonate solution.

2. Paris green and Bordeaux mixture may be applied together as well as separately, and thus save time.

3. Paris green is to be used for insects that *chew*, and kerosene emulsion for those that *suck* the juices of plants.

4. Prepare the mixtures well, apply them at the proper time, and be as thorough as possible in the work.

